

## Claims

1. A reflow furnace in which flux fumes which are formed inside the reflow furnace are led together with an inert gas to the outside of the reflow furnace through a pipe, the flux fumes are removed by a flux fumes removal apparatus installed on the exterior of the reflow furnace, and then the inert gas is again returned to the interior of the reflow furnace, characterized in that a suction pipe for flux fumes is provided along a conveyor rail at least over the entirety of a heating zone, a plurality of suction ports are formed on an inner side of the suction pipe, the suction pipe is connected by an outflow pipe to an inlet of the flux fumes removal apparatus on the exterior of the reflow furnace, blowoff nozzles are provided in the upper and lower portions of an entrance and exit of the reflow furnace, and the blowoff nozzles are connected to an outflow port of the removal apparatus.